

## CLAIMS

1. A hot water supply heat exchanger comprising a water pipe (1) forming a water passage (W) and a refrigerant pipe (2) forming a refrigerant passage (R), the hot water supply heat exchanger being for heating water flowing through the water passage (W) by a refrigerant flowing through the refrigerant passage (R),

wherein an inlet part (A) of the water passage (W) having water of a predetermined temperature or less is provided with a heat transfer enhancer.

2. A hot water supply heat exchanger comprising a water pipe (1) forming a water passage (W) and a refrigerant pipe (2) forming a refrigerant passage (R), the hot water supply heat exchanger being for heating water flowing through the water passage (W) by a refrigerant flowing through the refrigerant passage (R),

wherein a part of the water pipe (1) forming an inlet part (A) of the water passage (W) having water of a predetermined temperature or less is provided with a heat transfer enhancement pipe section.

3. A hot water supply heat exchanger comprising a plurality of heat exchanger units (H, H, ...) each including a water pipe (1) forming a part of a water passage (W) and a refrigerant pipe (2) forming a part of a refrigerant passage (R), said plurality of heat exchanger units (H, H, ...) being stacked one above another, the water pipes (1) being connected to one another to form a continuous water passage (W), the refrigerant pipes (2) being connected to one another to form a continuous refrigerant passage (R), said hot water supply heat exchanger being for heating water flowing through the water passage (W) by a refrigerant flowing through the refrigerant passage (R),

wherein an inlet part (A) of the water passage (W) including water of a predetermined temperature or less is provided with a heat transfer enhancer.

4. A hot water supply heat exchanger comprising a plurality of heat exchanger units (H, H, ...) each including a water pipe (1) forming a part of a water passage (W) and a

refrigerant pipe (2) forming a refrigerant passage (R), said plurality of heat exchanger units (H, H, ...) being stacked one above another, the water pipes (1) being connected to one another to form a continuous water passage (W), the refrigerant pipes (2) being connected to one another to form a continuous refrigerant passage (R), said hot water supply heat exchanger being for heating water flowing through the water passage (W) by a refrigerant flowing through the refrigerant passage (R),

wherein a heat transfer enhancement pipe is used as the water pipe (1) corresponding to an inlet part (A) of the water passage (W).

5. The hot water supply heat exchanger of Claim 1 or 3, wherein

10 spiral grooves (7, 7, ...) formed in the inner surface of the water pipe (1) are adopted as the heat transfer enhancer.

6. The hot water supply heat exchanger of Claim 2 or 4, wherein

an internally-grooved pipe provided at its inner surface with spiral grooves (7, 7, ...) is adopted as the heat transfer enhancement pipe.

15 7. The hot water supply heat exchanger of any one of Claims 1 through 4, wherein the refrigerant pipe (2) is connected to the periphery of the water pipe (1).